

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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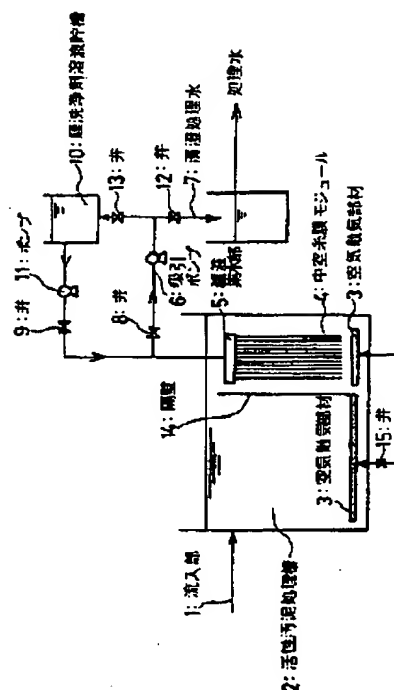
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APPLICATION NUMBER : 02248836

APPLICANT : EBARA RES CO LTD;

INVENTOR : KATAOKA KATSUYUKI;

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C02F 9/00

TITLE : BIOLOGICAL TREATING DEVICE FOR  
ORGANIC POLLUTED WATER



ABSTRACT : PURPOSE: To permit a chemical washing to be effected with a membrane module set in a treating chamber by forming the structure of a treating tank of a treating tank, a membrane module immersed in the treating device, a filter means for passing a liq. from the outer surface of the membrane into the interior thereof and a washing means for force feeding a cleaning solution into the membrane.

CONSTITUTION: To effect a chemical washing, a liq. is force fed by a pump 11 from a membrane cleaning solution tank 10 into a hollow fiber modulus 4 with a hollow fiber membrane immersed in a treating tank 2. The membrane cleaning solution runs through a filter liq. collecting part 5 into the individual hollow fibers and passes from the interior of the hollow membrane to the outer surface thereof. At this time, the contaminants adsorbed on the outer surface of the hollow fiber membrane come in contact with the cleaning solution, reacts chemically therewith and is separated and removed therefrom. This method permits the contaminants on the outer surface of the membrane to be washed off effectively with the hollow fiber membrane immersed in the treating tank.

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